

**VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION**

☐ Conceptual Proposal ☒ Final Proposal Date 10/08/2009

Contract ID 090724-801 Job No. J8P0791

County Greene Original Bid Cost \$ 7,572,934.34

Contractor Emery Sapp & Sons, Inc. By Jesse Hinton, P.E.

Designed By Jesse Hinton, P.E. Phone 573-445-8331

VECP# 09-91 (to be completed by C.O.) VECP ☒ or PDVECP ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Traffic Control plans require preformed removable marking tape for pavement striping. We propose to use waterborne paint for temporary striping to provide a better product at a better price. Temporary waterborne paint will provide a more reliable marking during cold temperatures and provide a savings when compared to tape. Diamond grinding of the existing pavement, as required by the contract, will remove all evidence of the temporary striping that may be left after the pavement marking removal is completed.

2. Estimate of reduction in construction costs. \$ 5,009.90

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

N/A

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

10/12/2009

(date)

Phase 1 Striping is scheduled for 10/14/2009.

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A

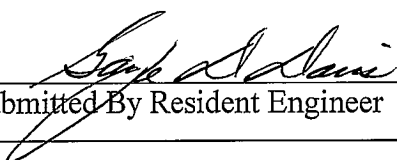
(date and/or dates)

Additional Comments:

See attached sheet.

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments: Would recommend approval of this proposal, with the added contingency that Temporary stripe will be 100 % removed, with no damage to underlying pavement or structures, and no "ghost" lines remaining from the removal operation, to the satisfaction of the Engineer.

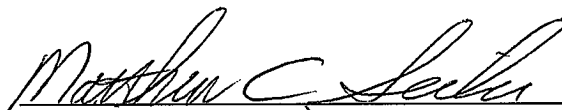

Submitted By Resident Engineer

10/14/09
Date

Comments: I concur with recommendations by R.E. and that there not be temp. stopping paint used on bridge if deck milling will occur.



Approval
Recommended



District Engineer

10/23/09

Date



Rejection
Recommended

Comments:

NA - NOT FWD OBSIGHT - SEE ATTACHED



Approval
Recommended



Rejection
Recommended

Federal Highway Administration
Required for FHWA Full Oversight Projects

Date

Comments:

APPROVED PER DISTRICT RECOMMENDATION



Approval



State Construction and Materials Engineer

10-27-09

Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

Value Engineering Proposal #1: Cost Savings

SAVINGS

Line No.	Description	Quantity	Unit	Unit Cost	Savings
800	Preformed Removable Marking Tape 4" White	9000	LF	\$1.00	\$9,000.00
810	Preformed Removable Marking Tape 4" White	5314	LF	\$1.00	\$5,314.00
Savings					\$14,314.00

ADDITIONAL COSTS

Line No.	Description	Quantity	Unit	Unit Cost	Savings
	4" White Waterborne Paint	9000	LF	\$0.30	\$2,700.00
	4" Yellow Waterborne Paint	5314	LF	\$0.30	\$1,594.20
	Pavement Marking Removal (Paint)	14314	LF	\$0.35	\$5,009.90
Additional Costs					\$9,304.10

Total Costs of Temporary Paint versus Tape					\$5,009.90
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EMERY SAPP & SONS, INC.

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Kansas City, MO 64106
O: 816.221.3500
F: 816.421.9333

2602 N. Stadium Blvd.
Columbia, MO 65202
O: 573.445.8331
F: 573.445.0266

5350 E. State Hwy. AA
Springfield, MO 65803
O: 417.833.9915
F: 417.833.9981

October 8, 2009

Mr. Gayle Davis, R.E.
Missouri Department of Transportation
251 SW Outer Road
Branson, MO 65616

RECEIVED
OCT 14 2009
BY: *[Signature]*

**RE: Value Engineering Proposal #1
Route 60 Greene County
Job No. J8P0791**

Mr. Davis:

Emery Sapp & Sons, Inc. proposes to use temporary paint striping on the above listed project in lieu of removable marking tape. The Value Engineering Proposal and supporting calculations are enclosed.

Please contact me if you need any additional information.

Sincerely,

Emery Sapp & Sons, Inc.

Jesse Hinton, P.E.
Project Manager

Contract ID: 090724-801

Fed St/Pr Prj Nbr: FAF-60-2(67)

Status: Active

Primary PCN: J8P0791

District: 08

OrgCode: 8CD

Funding

Progress Sched:

Variance Pct: .00

Desc: J8P0791 - ROUTE 60 - GREENE COUNTY

<input checked="" type="radio"/>	Federal
<input type="radio"/>	State/Province
<input type="radio"/>	Both

Time Charges: COMPLETION DATE

Bid Days: 313

Bid Amt: \$7,572,934.34

Contract Type: Construction Project Above \$500,000

☐ Fed Oversight

Work Type: NEW CONSTRUCTION

☐ Local Oversight

Proposal Fund Type:

Spec Yr: 1996

Unit System: English

Suppl Spec Bk Yr: 1996

Alt ID:

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☒ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

_____ Use Temporary paint striping in lieu of removable tape.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

_____ Scan entire document.